



37-36

PATENT

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Date

*Gabrielle Collier*  
Gabrielle Collier

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant : Shawni Daw  
Application No. : 09/990,947  
Filed : November 21, 2001  
For : USER INTERFACE HAVING ANALYSIS STATUS INDICATORS

TECHNOLOGY CENTER R3700

Art Unit : 3736  
Docket No. : 59673-20  
Date : December 20, 2002

Commissioner for Patents  
Washington, DC 20231

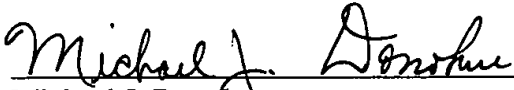
### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). As to any reference supplied, applicant does not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information she is aware of which is believed relevant to the examination of the above-identified application, applicant believes that her invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,  
Shawni Daw  
Davis Wright Tremaine LLP

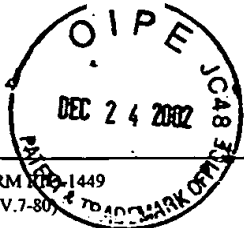
  
\_\_\_\_\_  
Michael J. Donohue  
Registration No. 35,859

MJD:gatc

Enclosures:  
Postcard  
Form PTO-1449  
Cited References (31)

2600 Century Square  
1501 Fourth Avenue, Suite 2600  
Seattle, Washington 98101-1688  
Phone: (206) 622-3150  
Fax: (206) 628-7699

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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 59673-20	APPLICATION NO. 09/990,947
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		APPLICANTS Shawni Daw	
		FILING DATE November 21, 2001	GROUP ART UNIT 3736

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,839,805	06/13/89	Pearsons, Jr. et al.	364	413.14	
	AB	5,262,945	11/16/93	DeCarli et al.	364	413.13	
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	AD	5,638,465	06/10/97	Sano et al.	382	281	
	AE	5,644,232	07/01/97	Smith	324	309	
	AF	5,818,231	10/06/98	Smith	324	309	
	AG						
	AH						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AI	8 69533 A	03/12/96	JP (+ English abstract)		
	AJ					

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	Dasarathy, "Is Your Nearest Neighbor Near Enough a Neighbor?" in <i>Proceedings of the First International Conference on Information Sciences and Systems</i> , Patras, Greece, 1976, pp. 114-117.
	AL	Bezdek, et al., "FCM: The Fuzzy c-Means Clustering Algorithm," <i>Computers &amp; Geosciences</i> , 10(2-3):191-203, 1984.
	AM	Vannier et al., "Multispectral Analysis of Magnetic Resonance Images," <i>Radiology</i> , 154(1):221-224, 1985.
	AN	Xie et al., "A Validity Measure for Fuzzy Clustering," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 13(8):841-847, 1991.
	AO	Clarke et al., "Comparison of Supervised Pattern Recognition Techniques and Unsupervised Methods for MRI Segmentation," <i>Medical Imaging VI: Image Processing</i> , 1652:668-677, 1992.
	AP	Taxt et al., "Multispectral Analysis of Uterine Corpus Tumors in Magnetic Resonance Imaging," <i>Magnetic Resonance in Medicine</i> , 23:55-76, 1992.
	AQ	Bezdek et al., "Review of MR Image Segmentation Techniques Using Pattern Recognition," <i>Medical Physics</i> , 20(4):1033-1048, 1993.

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<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				APPLICANTS Shawni Daw	
				FILING DATE November 21, 2001	GROUP ART UNIT 3736
	AR	Taxt et al., "Multispectral Analysis of the Brain Using Magnetic Resonance Imaging," <i>IEEE Transactions on Medical Imaging</i> , 13(3):470-481, 1994.			
	AS	Clarke et al., "MRI Segmentation: Methods and Applications," <i>Magnetic Resonance Imaging</i> , 13(3):343-368, 1995.			
	AT	Dasarathy "Adaptive Decision Systems with Extended Learning for Deployment in Partially Exposed Environments," <i>Optical Engineering</i> , 34(5):1269-1280, 1995.			
	AU	Pham et al., "Partial Volume Estimation and the Fuzzy C-means Algorithm," 4 pages.			
	AV	Mussurakis et al., "Dynamic MRI of Invasive Breast Cancer: Assessment of Three Region-of-Interest Analysis Methods." <i>Journal of Computer Assisted Tomography</i> , 21(3):431-436, 1997.			
	AW	Samarasekera et al., "A New Computer-Assisted Method for the Quantification of Enhancing Lesions in Multiple Sclerosis," <i>Journal of Computer Assisted Tomography</i> , 21(1):145-151, 1997.			
	AX	"Spatial Filtering," <i>Digital Image Processing</i> 4.3, pp. 189-195.			
	AY	Clark et al., "Automatic Tumor Segmentation Using Knowledge-Based Techniques," <i>IEEE Transactions on Medical Imaging</i> , 17(2):187-201, 1998.			
	AZ	Clarke et al., "MRI Measurement of Brain Tumor Response: Comparison of Visual Metric and Automatic Segmentation," <i>Magnetic Resonance Imaging</i> , 16(3):271-279, 1998.			
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	BB	Parker et al., "MRIW: Parametric Analysis Software for Contrast-Enhanced Dynamic MR Imaging in Cancer," <i>RadioGraphics</i> , 18(2):497-506, 1998.			
	BC	Reiss et al., "Reliability and Validity of an Algorithm for Fuzzy Tissue Segmentation of MRI," <i>Journal of Computer Assisted Tomography</i> , 22(3):471-479, 1998.			
	BD	Weinstein et al., "Breast Fibroadenoma: Mapping of Pathophysiologic Features with Three-Time-Point, Contrast-Enhanced MR Imaging—Pilot Study," <i>Radiology</i> , 210(1):233-240, 1999.			
	BE	Kuhl et al., "Dynamic Breast MR Imaging: Are Signal Intensity Time Course Data Useful for Differential Diagnosis of Enhancing Lesions?," <i>Radiology</i> , 211(1):101-110, 1999.			
	BF	Orel, "Differentiating Benign from Malignant Enhancing Lesions Identified at MRI Imaging of the Breast: Are Time-Signal Intensity Curves an Accurate Predictor?," <i>Radiology</i> , 211(1):5-7, 1999.			
	BG	Liney et al., "Dynamic Contrast-Enhanced MRI in the Differentiation of Breast Tumors: User-Defined Versus Semi-Automated Region-of-Interest Analysis," <i>Journal of Magnetic Resonance Imaging</i> 10:945-949, 1999.			

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FORM PTO-2449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 59673-20	APPLICATION NO. 09/990,947
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Shawni Daw	
				FILING DATE November 21, 2001	GROUP ART UNIT 3736
	BH	Hylton, "Vascularity Assessment of Breast Lesions with Gadolinium-Enhanced MR Imaging," <i>MRI Clinics of North America</i> , 9(2):321-331, 2001.			
EXAMINER			DATE CONSIDERED		
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant(s).					

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